

The Temperature Field of Bodies in Conditions of
Pulsed Variations in Temperatures, by A. D.
Pinchevskiy, 9 pp.

RUSSIAN, per, Inzhen-Fiz Zhur, Vol VI, No 12,
1963.

JPRS 23730

Sci

Mar 63

253,802

Cellular rubber: A new process of manufacture from latex, by C. Pinazzi. UNCLASSIFIED

GERMAN, Revue Generale du Cacutchouc, XXVII, No 12,
pp 725 - 730.

OQMGTr
QMT-229

WE, France - Economic

Nov 1951 GTS

A9192

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Critical and Economical Considerations in the
Production of Hydrogen, by H. Pincass, 5 pp.

GIEGMAN, Part II. No Journal Cited.

S.L.A. Tr No 57-156

Sci - Chemistry, inorganic.

Apr 57

46,871

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

1960 Transfer of Details of Organic Nitrates, by C. C. Pinchera, 25 pp. ITALIA, per, Energia Nucleare, Vol 10, 1960, pp 313-336, and Tschudiner, 1960

C. C. Pinchera

doc/Physics
Feb 67

313,409

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

HYPERGEOMETRIC Functions and Various
Related Problems, by S. Pincherle.
ITALIAN, per, Giorn Mat Battaglini
Naples, Vol XXXII, 1894, pp 209-291.
W&H TI R-9700

90

Dec-84
Mar 66

S. Pincherle

297,456

Diphenylchlorophosphazosulfonaryls,
by V. I. Shevchenko, V. T. Stratienko,
A. M. Pinchuk, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX,
No 5, 1960, pp 1566-1570.

CB

164, 678

3c1

ung 61

Nitriding of High-Strength Magnesium-Treated Cast Iron, by Yu. M. Inkhtin, D. S. Pinchuk.

RUSSIAN, per, Metallov Obra Met, Jul 1958, p 39.

Henry Bratcher #282
\$2.75

Sci - Min/Met
Oct 58

74, 851

Sedimentation Pneumocystography in the Diagnosis
of Tumours of the Urinary Bladder, by G. I.
Pinchuk, Ya. M. Khan, 4 pp.

RUSSIAN, per, Voprosy Onkol, Vol VI, No 8,
1960, pp 71-74.

PP

Sci

157,13 C

Apr 6

J-4760 (RM) (DC-3234).

Our Atheism is Aggressive, by L. Pinchuk, 10 pp.

RUSSIAN, per, Agitator, No 21, Nov 1959, pp 58-62.

JPRS-1140-D

USSR
Soc - Religion
Feb 60

106,697

J-4760

(DC-2897)

Are Miracles Possible?, by L. Pinchuk, 6 pp.

RUSSIAN, per, Agitator, No 9, Moscow, May 1959,
pp 51-53.

JPRS-788-D

USSR (R)

Soc - Religion; Atheism

Jul 59

91, 119

The Volatile Acid Content in the Fruit of the Oil-Bearing Poppy by V. E. Pontovich, L. M. Pinchuk, 3
pp

RUSSIAN, ver., Dok Ak Nauk SSSR, Vol CXX, No 1, 1958,
pp 585-.

3

Amer Inst of Biol Sci

Sci - Biology, Chem

Feb 59

80,752

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Gobies of the Group Ponticola (Iljin) and Some ⁴⁶
Aspects of the Species Formation Problem,
by V. I. Pinchuk.
RUSSIAN, per, Zoologicheskii Zhurnal, Vol 42, No
12, 1963, pp 1841-1848.
NLL RTS 3106.

V. I. Pinchuk

Sci - R&M
Sept. 67

340,404

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Nature of the Morphologic Changes of the Heart
In Severe Burn Sickness, by V. M. Pincuk, 13 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XVIII, No 10,
1963.

JPRS 22141

Re
cc 63

244,044

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Cytochemistry of Ultrastructures, by V. G.
Pinchuk, 14 pp.
RUMIALL, per, Tsitologiya, Vol VI, No. 1, 1964,
pp. 3-12.
JPM: 41140

V. G. Pinchuk

URSS
Sci.-Publ.
July 67

329,751

(NY 7028)

CHARACTERISTICS OF THE REACTIVITY AND RESISTANCE
TO ADDITIONAL INFLUENCES CURING DIFFERENT PERIODS
OF BURN SICKNESS, BY YE. V. GUBLER, V. M. PINCHUK,
10 PP.

RUSSIAN, PER, PATOLOG FIZ I EKSPER TERAPIYA,
VOL VI, NO 1 JAN/FEB 1962, PP 77-82

JPRS 13573

SCI
MED
MAY 62

193,161

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

PATHEOLOGICAL PECULIARITIES OF BRAIN INJURY
IN THE AGED, BY V. M. PONOMARENKO, 7 PP.

RUSSIAN, PER, TERRAVITICHESKII ARKHIV, NO 1,
1963, PP 399-90.

J718 10700

SCI - BIOLAMED SCI
APR 63

2B8,3681

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

BURNS OF THE RESPIRATORY TRACT, BY
L. M. KLYACHKIN, V. N. PINCHUK, 10 PP.

RUSSIAN, PER, VESTNIK KHIRURGII, VOL LXXXIX,
NO 11, 1962, PP 41-48.

JPRS 17333

SCI - MED

JAN 63

220,977

Clinical and Morphological Characteristics of
Extensive Granulating Wounds in Burn Education,
by V. M. Minchuk, V. I. Filatov, 15 pp.

RUSSIAN, per, Novyy Khir Arkh, No 4, 1961,
pp 42-49.

JPMN 9920

165, 012

Sci - Med

Aug 61

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Pigment, by L. Pincusen, 8 pp.

GERMAN, per, Ergebnisse der Physiol, Vol XIX,
1921, pp 211.

SIA Tr 57-299

Sci - Med
Jul 57

49,996

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

NUCLEIC ACID CONTENT IN THE TISSUES OF ANIMALS
IRRADIATED AND TREATED WITH AN ANTI-RADIATION COMPLEX,
BY M. F. LIPKIN, M. T. PINCHIK, 7 PP.

UKRAINIANS, PERIODIČNÝ BIOMEDICÍNICKÝ ZHORNAL,
VOL. XXIX, NO. 6, 1963, PP. 514-518.

JPS 21472

SCI-BIOL & MED
OCT 63

346,497

Technology of Lightweight Brick, by
V. D. Tsigler, B. Ye. Pindrik, 6 pp.

RUSSIAN, per, Ogneupory, No 5-6, May-Jun 1961,

Acta Metallurgica

Sci
May 64

259, 211

High-Alumina Porous Ceramics with
High Gas Penetrability, by V. S.
Tsikler and B. Ye. Pindrik, 8 pp.
RUSSIAN, Per. Stiklo i keramika,
no 1, 1964, pp 22-26. 9657095
TTR-77-64-1171

V.D. Tsikler
Sel-Diner B.Ye. Pindrik
Jun 65 282,514

Pindur, E.

PROCESS FOR THE PRODUCTION OF A CATALYST
SUITABLE FOR ALCOHOL SYNTHESIS FROM ZINC
OXIDE AND CHROMIC OXIDE. Aug 63.
Order from TTIS \$11.25

TTIS NS 114

Trans. of East Germany patent 24,674, appl. 2 Jan 60,
pub. 12 Feb 63.

DESCRIPTORS: Synthesis (Chemistry), *Catalysts,
*Alcohols, Zinc compounds, Oxides, Chromium
compounds.

63-22257

- I. Pindur, E.
- II. Patent (East Germany)
24 674
- III. TTIS NS-114
- IV. Translation and
Technical Information
Services (Gt. Brit.)

1~52331

(Chemistry--Inorganic, TT, v. 10, no. 10)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

THE REFORM OF THE POLITICAL REGIME, BY FRANCISCO
A. PIÑEIRO, 139P. GOVERNMENT USE ONLY

SPANISH, PDR, MESSAJE, NO 123, 1963, PP 51-52.

JPIB GND 208

LA-CHILE
POL.
NOV 63

242,570

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Synthesis of Aldehydes at Room Temperature by
Reaction of Olefins, Dicobaltol-Octacarbonyl and
Hydrogen, by P. Pine, et al.

ITALIAN, per, Chim e l'Industria, Vol XXXVII,
Milano, 1955, pp 782-786.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Trans 212

103,032

Sci - Chem
Dec 59

40

Licence Contracts, by J. Pineau, 9 pp.
FRANCE, par, Bulletin d'Informations Scientifiques
et Techniques, Vol. LXIII, 1968, pp 105-106.
9329783
ABC-NP-T-1179

J. Pineau

Self-Mailer
Dec 64

249,927

Automatic Regulation of Sand-Removing Hydrocyclones,
by Zygmunt Pindel, 9 pp.

POLISH, per, Przeglad Gorniczy, No 7-8, 1962,
pp 439-442.

JPRS 15875

EEur - Poland
Econ
Oct 62

116,965

Persecutions and Arrests in Spain, by Carmen Pinedo,
1 pp.

RUSSIAN, np, Komsomolskaya Pravda, 31 Oct 1959.

FDD/J-5633

WE - Spain
Pol
Dec 59

(FDD 24718)

Computing the Visibility Range, by N. I. Pinegin,
N. G. Boldyrev, O. D. Barteneva, 6 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol. LXXXIV, No 3, Moscow, 21 May 1952,
pp 483-486.

24,139

CIA/FDD/U-7001
CIS 67/Apr 55 (Amato)

USER
Sci - Physics, visibility range ~~xxx~~ computation

The Strength and Resistance to Wear of
Components of Anti-Friction Bearings, by
S. V. Pinesgin. USCL

RUSSIAN, per, Vest Mash, Vol XXXVIII, No 3,
1958, pp 8-11. CII 904932

DSIR LLU RDS 1302

(10s. od.)

102,513

Bct - Engr
Dec 59

Improvement of the Half-Mandrel Process of
Tyre Building (From "Ways of Improving the
Process of Building Motor Tyre Covers"),
by V. A. Pinegin.

RUSSIAN, pMer, Kauchuk i Rezina, Vol XVI,
No 2, 1957, pp 18-21.

CSIRO

207,655

Sci - Engr
Jul 62

Catalytic Synthesis of halogen Derivatives of
α-Arylaminoketones, by N. S. Koslov, L. Yu.
Pinegina, et al, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 7,
1961, pp 2234-2235.

CB

Sci
13 Jun 62

200,381

Catalytic Conjugation of Acetylenes With Aromatic
Amines. XXV. Synthesis of 2-(Hydroxyphenyl)
Quinoline Derivatives, by N. S. Kozlov, L. Yu.
Pisaregina, 4 pp.

Full tr

RUSSIAN, no per., Zhur Obshch Khim, Vol XIVI, No 1,
1956, pp 247-249. CIA 9000404 C, Reel No 21

Consultants Bureau
Sci - Chemistry
Sep 56 CTS

38,596

Steric Hindrances in Organomagnesium Reactions. XI.
The Reaction of Dimethyl Oxalate With Di-ortho-
Substituted Aryl Magnesium Halides, by I. I.
Lapkin, N. K. Ponomareva, and L. Yu. Pinegina, 4 pp.

RUSSIAN, no per., Zhur Obshch Khim, Vol XXII,
No 8, Aug 1952, pp 1363-1366.

Consultants Bureau

Sci - Chemistry

Feb 54 CTS

9865-

3-1476

(DC-1703)

In the Classroom and in the Factory, by
M. Pinegina, 4 pp.

RUSSIAN, thrice wk np, Uchitel'skaya Gazeta,
14 Jan 1958, Moscow, p 3.

US JPRS/DC-L-866

USSR
Soc - Education

74, 994

An Auto-Immune Reaction to Antigens of Human Tonsillar Tissue in Chronic Tonsillitis, by V. I. Marchenko,
N. L. Pinegina, 4 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXXII, No 4, 1961, pp 50-53.

PP

Sci

Oct 62

216,058

Frequency of Detection of Antibodies to
Adenoviruses in Healthy Persons and Patients
With Various Diseases in the Complement-
Fixation Test, by V. I. Marchenko,
N. L. Pinegina, 4 pp.

RUSSIAN, per, Voprosy Virusolog, Vol VI,
No 3, 1961, pp 357-360.

PP

Sci

200,505

Jun 62

"On the question of Soviet Alabamka and
residential, by V. V. Gorbachev, N. N.
Savchenko, N. A. Matveyeva, et al. Tigr.

NUSSIAT, per, Terapev Arkhiv, vol. XXVII
No 6, 1961, pp 72-75.

JPRS 10591

See "Med
Nov 61".

174, 626

Antispastic Therapy: Inhibiting Action on the
E Reflex of a Derivative of Diuzino-
triazine (2-Hydrazino-4, 6-Bisdiethyl-
amino-1,3, 5-Triazine Dichloride), by P. Pinelli
42 pp.

ITALIAN, per, Rivista di Neurologia, Vol XXIX,
No 3/4, 1959, pp 151-178.

SLA 60-14871

Sci
Apr 61
OTS, Vol III, No 12

163,263

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

The Clinician and the Problem of Specificity,
by Paolo Pinelli,
ITALIAN, per, Riv Sper Freniat,
Vol 87, 1963, pp 623-638.
NIN 5-48-65 (Loan)

Sci-Biol & Med Sci
May 65

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Pines, B. J.

THE THERMODYNAMICS OF THE PHASE TRANSITIONS
OF THE SECOND ORDER. [1962] 12p. 4 refs.
Order from OTS or SLA \$1.60 62-18690

Trans. of [Zhurnal Eksperimental'noi Teoreticheskoi
Fiziki] (USSR) 1939, v. 9, no. 8, p. 963[-968].

DESCRIPTORS: *Phase transitions, *Thermodynamics,
Phase studies, *Equations of state, Differential equations,
Temperature, Pressure, Entropy, Volume.

Transitions of the second order are considered as
taking place in a finite interval of temperature and
pressure resulting in a finite change in entropy and
volume. Validity of the Ehrenfest's equation along the
whole transition path has been demonstrated (for the
increase in the values of heat capacity and coefficients
of expansion and compressibility connected with the
(Physics--Thermodynamics, TT, v. 9, no. 10) (over)

62-18690

I. Pines, B. J.

Office of Technical Services

An X-Ray Study of Cobalt Ferrite Subjected to
Thermomagnetic Treatment, by B. Ya. Pines,
N. M. Gumen, 6 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 6, 1961,
pp 901-908.

AIP
Sov Phys - ~~E~~ Crystal
Vol VI, No 6

205,386

Sci
Jul 62

The Kinetics of Sintering in the Solid Phase, by
B. Ya. Pin., 6 pp.

RUSSIAN, per, Tiz Metal i Metallov, Vol X, No 5,
1960. #73-755.

PP

Sci

172,893

Oct 61

Diffusion and the Mechanical Properties of Solids,
by B. ~~XXX~~ Ya. Pines, 21 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXVI, Nos 3/4,
1962, pp 519-556.

Amer Inst Phys
Sov Phys - Uspekhi
Vol V, No 2

Sci

214,893

Oct 62

The Problem of the Correlation Between Creep and Stress-Rupture Time Under Load in Metals, by
B. Ya. Pines, A. F. Sirenko, 7 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 3,
1960, pp 381-389.

Sci
Sep 61

PP
165, 814

LUDWIG, S.
KUSHTA, G.

Stal, vol. 6, No. 7, 8 figures, 13 tables, 20 ref's.,
7600 words; 1936.

Minerals Formed in the Sintering of Dolomite Furnace
Bottoms.

Brutcher Trans, Order No. 468, \$7.60.

A 6498

Internal Stresses in a Deformed Single Crystal, by
B. Pines.

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XIV,
1944, pp 496 - 500.

AEC Tr 652

Sci - Physics

A 9194
Oct 1951 CTS

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Diffusion Spreading and the Effect of Nuclear Condensation, by B. A. Pines, I. G. Ivancev.
6 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX,
No 2, 1960, pp 205-211

PP

156,233

Sci

Jun 61

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

PITTS, F. J.

Physikalische Zeitschrift Der Soviet Union, vol. 7,
20 figures, 6900 words; 1935.

Hydro-Mechanics of Bessmer Converter with regard
to Wear of its Linings.

Brutcher Trans, Order No. 231, \$6.00.

A 9:95

PINES, B. Y.

Zh Eks Fiz, XVIII, No 1, pp 29-44, 1948

Isothermal Growth of Nuclei during Dissociation of
a Supersaturated Solution, 29 PP.

NRL 175

Q1A

RT-802

359-1

A9176

Outline of the Physics of Metals,
B. Ya. Pines, 371 pp.

RUSSIAN, ~~1961~~ bk, Ocherki po Metallofizike,
1961, pp 1-315. 9668187

FTD-TT-62-1355

Sci-Phys
Apr 63

224, 1/3

Baking, Creep, Rest, Recrystallization and Other Phenomena, Conventional Selfdiffusions in Crystalline Bodies, by B. Ya. Pines.

RUSSIAN, per, Usp. Fiz Nauk, Vol LIII, No 4,
1954, pp 501-559. 9204994

AEC-Tr-5563

Sci - Phys

Apr 63

227039

Creep Kinetics in Single Crystals of Metals
and Alloys at High Temperatures, by B. Ya. Pines,
E. E. Radigan, 10 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 10,
1953, pp 2859-2870.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 10

Sci
May 64

259,001

Partial Diffusion Coefficients and Self-Diffusion
Coefficients in Copper-Nickel Alloys
By B. Ya. Pines and I. G. Ivanov pp 6

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 7, 1962
pp 1882-1890

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 7

Sci

341, 071

Jun 63

The Composition Dependence of Creep Rate and
Durability Under Prolonged Loading at Elevated
Temperatures in Iron-Carbon and Iron-Copper Alloys
By B. Ya. Pinas and A. F. Sirenko pp 7

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 7
1962, pp 1901-1910

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 7

361

341, 073

Jun 63

Derivation of the Lattice Distortion and Spread
in Block Size by Means of Harmonic Analysis
Applied to X-Ray Reflections, by B. Ya. Pines,
A. F. Sirenko, 7 pp.

RUSSIAN, per, Kristallografiya, Vol VII, No 1,
1962, pp 20-30.

AIP
Sov Phys - Crystal
Vol VII, No 1 211,731

sci
Sep 62

Structural Changes During High-Temperature Creep in
Copper Monocrystals, by E. Ya. Pines, V. A. Sivochub,
3 pp.

Vol III
RUSSIAN, per, Fiz Tverdogo Tela, No. 9, 1961, pp.
2703-2711

AIP
Sov Phys-Solid State
Vol III, No. 9

Sci

192, 466

Mar 62

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Variation of the Submicroporosity in Electrolytic
Metallic Films with Heating and Loading, by
B. Ya. Pines, R. I. Kuznetsova, 6 pp.

RUSSIAN, par., Fiz Tverdogo Tela, Vol. III, No 5.
1961, pp. 1475-1484.

AIP
Sov Phys - Solid State
Vol. III, No 5

Sci

189, III

Mar 62

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

MECHANICAL PROPERTIES OF COPPER-NALLOYS
AT ELEVATED TEMPERATURES, BY B. YA. PINES,
I. G. IVANOV, 12 PP.

RUSSIAN, PER, FIZIKA TVERDOGO TELA, VOL IV, NO 6,
AUG 1962, PP 2109-2115.

JPRS 17728

SCI - PHYS, M/M

FEB 63

223,842

INVESTIGATION OF DIFFUSION CREEP IN POWDER
METAL BODIES, BY B. YA. PINES, A. F. SIRENKO,
13 PP.

RUSSIAN, BK, ISSLEDOVANIYA PO ZHAROPROCHNYM
SPLAVAM, VOL IV, 1959, PP 301-310.

JPRS 17499

SCI - CHEM

221,286

FEB 63

Pines, B. Ya. and Chaykovskiy, Ye. F.
X-RAY DIFFRACTION DETERMINATION OF THE
HETERODIFFUSION COEFFICIENTS IN ALLOYS
FORMING SOLID SUBSTITUTION SOLUTIONS. [1961]
7p. 2 refs.
Order from MDF \$5.00 MDF P-166
Trans. of Akademiya Nauk SSSR. Doklady, 1956,
v. 111, no. 6, p. 1234-1237.

61-22173

1. Alloys--Phase studies
2. Alloys--X-ray analysis
3. Diffusion--Measurement
- I. Pines, B. Ya.
- II. Chaykovskiy, Ye. F.
- III. MDF P-166
- IV. Friedman, Morris, D., Inc.,
West Newton, Mass.

Office of Technical Services

(Metallurgy, TT, v. 5, no. 12)

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Planes, by S. Yu. Pines, I. P. Grabovskii.

RUSSTAN, per, Kristallografiya, Vol III,
No 4, 1958, pp 461-466.

CSIRO

Sci. & Phys.
Dec 68

125, 171

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

On the Mechanism of the Stress-Rupture Failure
of Metals, by B. Ya. Pines, A. F. Sirenko, 3 pp.

RUSSIAN, par., Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 1960, pp 1061.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,525

Apr 61

Coefficients of Selfdiffusion in Alloys, by B. Ya.
Pines, I. V. Smushkov, 6 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 1,
1961, pp 146-153.

AIP
Sov Phys-Solid State
Vol III, No 1

Sci
Jul 61

161, 202

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

X-Ray Tube With Specially Long Sharp Focus
and Some Applications, by Pines and Bublik.

RUSSIAN, per, Iz Ak Nauk SSSR. Ser Fiz.

CSIRO

Sci.
Apr 62

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

On the Growth of "Nuclear" Cracks Promoting
Brittle Strength of Bodies, by B. Ya. Pines,
9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 8,
1955, pp 1399-1404. 9670179

ATIC MCL-530/1

Sci - Phys

Jul 61

161, 329

Service Time Under Load ~~Break~~ Depending Upon
Applied Stress for Samples of Iron Cermets in
Alpha and Gamma Phases, by B. Ya. Pines,
A. F. Sirenko, 3 pp.

RUSSIAN, rpt, 15 Jul 1959.

Sci - Phys
19 Jun 61

AF 1452252

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

in minzam, (in the Seliid State) by E. Ya. Pines.
1931/3, pp. Journal Tekhnicheskoi Nauki,
Vol 16, No 5, 1946, pp 737-743.
*ABC

B. Ya. Pines

Sch/tech, Civil Indist &
Machine Design
Jan 67

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

12 660

Fr-7

PINES B. Ya., SIRENKO A. F.

Creep due to diffusion and unbalance conditions in cermets and
moulded metals

Fluage par diffusion et états de déséquilibre des corps métal-
locéramiques et des métaux moulés

Izv. Vysshikh Uchebn. Zaved., Metallurg., No. 2, 16 p.(1960)

2a3b6a. 5956 - French

E u r a t o m

Approximate Thermodynamic Calculation of
Elementary Equilibrium Diagrams of Ternary
and More Complex Alloys, by B. Ya. Pines,
29 pp, UNCL.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 3, Mar 1958, pp 611-629. CIA 649106

ATIC F-TB-9531/V

Sci - Chem; Math

Jul 59

91,143

Discussion of Papers - I. B. Borovskiy,
B. Ya. Pines, A. K. Beskrovnyy, G. A. Efendiyev,
D. L. Ageyeva, V. I. Mikhayeva, I. I. Kornilov,
14 pp, UNCL.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 3, Mar 1958, pp 601-606.

ATIC P-TS-9531/V

Sci - Chem

Jul 59

91,141

Self-Diffusion and Heterodiffusion in Nonhomogeneous
Porous Bodies. III. Occurrence of the Frankel' and
Kirkendall Effects in the Sintering of Specimens
of Powder Mixtures of Mutually Diffusing Metals,
by B. Ya. Pines and A. F. Sirenko, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 5,
1959, pp 653-666.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol IV, No 5

Sci

103,790

On the Kinetics of Two-Phase (Eutectic)
Crystallization, by B. Ya. Pines, 21 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII,
No 6, 1948, pp 831-842.

SLA 60-16953

Sci
Vol IV, No 8
2 Jun 62

198, 012

Investigation of Internal Friction in Powder Metal Compacts. 5. Low Temperature Effects due to Plastic Deformation, by B. YA. PINES, DEN GE SEMI, 3 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 1, 1960,
pp 58-62.

PP

165,528

Sci

Aug 61

A Study of the Internal Friction in Powder Metallurgical Bodies. 4 Specimens from Binary Powders of Non-Interacting Components Cu-No, Cu-W, by B. Ya. Pines, Den Ge Sni, 5 pp.

RUSSTAN, per, Fiz Metal i Metallov, Vol VIII, No 6, 1959
pp 867-871

PP

Sci-
Feb 61

140, 188

Non-Equilibrium State and Diffusion Creep In
Ceramet Bodies, by B. Ya. Pines, A. F. Sirenko,
3 $\frac{1}{4}$.pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VIII,
No 5, 1959, pp 766-776. 9670061

ATIC MCL/592/1

Sci - Min/Met

Jul 61

158, 751

An Investigation of Internal Friction in
Metal-ceramic Bodies, 2. The Ternary System
Cu-Mn-Fe, by B. Ya. Pines, Den Ge Sch., p. 1.

RUSSIAN, per, Fiz Metal i Metallov, Vol 22,
No 1, 1960, pp 86-90.

PP

Sci.

156,213

Jun 61

A High-Temperature Electronograph with Three Magnetic Lenses and Evaporation Chamber, by B. Ya. Pines, I. P. Grebennik, 7pp.

RUSSIAN, per, Pribory i Tekh Eksper, No. 1, 1961,
pp. 156-160.

ISA

191,789

Sci

Mar 62

An Investigation of Internal Friction in Metal-ceramic Bodies. 3. Effects Caused by Plastic Deformations, by B. Ya. Pines, Den Ge Sen, 7 pp.

RUSSIAN, per, Fix Metal i Metallot, Vol IX,
No 1, 1960, pp 91-99.

PP

156, 214

Sci

Jun 61

Relationship Between the Service Life Under Load
and the Stress Applied for Ferrous Ceramic Samples
in Alpha- and Gamma-Phase, by B. Ya. Pines,
A.F. Sirenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 2, 1959.
PP 310-313. 9661857.

ATIC MCL 616/1

Sci - Chem
Jun 61

155,502

"Aftereffect" in Metal Specimens Subjected to
Diffusion Creep at High Temperatures, by
I. Ya. Pines, I. G. Ivanov, 6 pp.

Russian, per, Fiz Tverdogo Tela, Vol II, No 5,
1960, pp 959-966.

AIP
Sov Phys-Solid State

Sci

Jan 61

128, 146

The Calculated and Empirical Values of the Lifetime
of Metals and Alloys Under a Load, by B. Ya. Pines,
A. F. Sirenko, 8 pp.

RUSSIAN, per, Fix Tverdogo Tela, Bol II, No 6,
1960, pp 1043-1051.

AIP
Sov Phys-Solid State

Sci
Jan 61

138, 158

X-Ray Determination of the Coefficients of
Heterodiffusion in Cr - Mo and Ni - W Systems,
by B. Ya. Pines, I. V. Smushkov, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 3,
1958, pp 668-673.

Amer Inst of Phys
Gov Phys - Tech Phys
Vol III, No 3

Sci - Phys
Dec 58

69, 348

X-Ray Investigation of the Structure of the
Highly Coercive Alloy Fe-Ni-Al-Cu, by I. N.
Barutkin, B. Ya. Pines, 7 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol VII, No 3,
1959, pp 57-63.

PP

Sci
Aug 60

124,514

On the Mechanism of the Stress-Rupture Failure
of Metals, by B. Ya. Pines, A. F. Sirenko, 3 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXIV,
No 5, 1960, pp 1061.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

152,525

Apr 61

Dislocation and Diffusion Effects in
Recrystallization of Deformed Copper, by
B. Ya. Pines, 8 pp.

RUSSIAN, ^{per} ~~ext~~, Fizika Tverdogo Tela-Sbornik
Statey, 1949, pp 264-272.

ACSI H-8693
ID 2162139

Sci. - Phy

Jun 61

154,733

Determination of Micro Stresses in Plastically Deformed Polycrystalline Solids, by B. Ya. Pines,
N.G. Bereznjak.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 2, 1954,
pp 329-336. CIA 966075 8

ATIC MCL 600

Sci - Chem

May 61

154,003

Wire DC-2

Sintering of Multi-Phase Substances IV. Sintering
of Mixtures of High-Melting Metal Powders, by B.
Ya. Pines, A. F. Sirenko, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 1,
1958, pp 150-158.

Amer Inst of Phys
Gov Phys - Tech Phys
Vol III, No 1

Sci - Phys

Sep 58

74, 020

X-Ray Diffraction Determination of Dispersion
of Structural Constituents and Microstress in
High-Coercive CU-NI-FE Alloys, by B. Ya. Pines,
I. N. Barutkin, 7 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VI,
No 6, 1958, pp 1053-1060.

Pergamon Press

Sci

Jun 60

117,965

X-Ray Determination of the Coefficients of
Heterodiffusion in Alloys Whose Components
Differ Considerably in X-Ray Absorption, by
B. Ya. Pines, I. V. Smushkov, 7 pp.

RUSSIAN, per., Zhur Tekh Fiz, Vol XXVIII, No 3,
1958, pp 651-667.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 3

Sci - Phys
Dec 58

69,895

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

Pines, B. Ya.

SINTERING AND DIFFUSION CREEP OF METAL-
LOCERAMIC BODIES (Spekanlye i Diffuzionnaya
Polzuchest' Metallokeramicheskikh Tel). I Dec 60,
39p. 39 refs. JPRS: 7202.
Order from OTS \$1.00

61-11645

Trans. of Vsesoyuznoye Khimicheskoye Obozrenie.
Zhurnal (USSR) 1960, v. 5, no. 2, p. 173-180.

A literature review based on Soviet and non-Soviet
references.

61-11645

1. Cermets--Creep
 2. Cermets--Sintering
 3. Pines, B. Ya.
- II. JPRS-7202
III. Joint Publications Research
Service, New York

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 7)

61-11592

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0001

On the Calculation of the Simplest Equilibrium Diagrams
of Ternary Alloys. II. Some Solutions of the General
Equations for the Case of Separation of Solutions
Accompanied by Phase Transition, by B. Ya. Pines,
7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 8,
pp 1886-1892.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 8

Sci - Phys

Jun 58

64,766

The Surface Tension of the Binary Metal Alloys
Po-Sn, Bi-Pb, Bi-Sn and Bi-Cd, by R. V. Bakradze,
B. Ya. Pines. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIII, No 9,
1953, pp 1548-1558.

Sci Mus Lib 58/0320

Sci - Min/Met; Phys
Sep 58

73,403

Sintering of Multi-Phase Bodies. III. Sintering
of Mixtures Containing Low-Melting-Point Powders,
by B. Ya. Pines, A. F. Sirenko, N. I. Sukhinin,
10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 8,
pp 1892-1902.

3 3

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 8

Sci - Phys

Jun 58

64,767

Some Correlations Regarding the Mechanical Strength
of Materials Obtained by Sintering of Powdered
Metals. III. Case When Powder Mixtures Contain
Easily Fusible Components, by B. Ya. Pines, A.F.
Sirenko, M. I. Sukhinin, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 8,
pp 1907-1911.

4

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 8

Sci - Phys

64.768

Jun 58

On Ductile Rupture, by B. Ya. Pines, 26 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol XVI, No 8,
1946, pp 744-755.

Sci Tr Center RT-327

Scientific - Physics

10,134